

## SEQUENCE LISTING

<110> University of South Florida

<120> INHIBITION OF SHIP TO ENHANCE STEM CELL HARVEST AND  
TRANSPLANTATION

<130> 1372.160PRC

<160> 14

<170> PatentIn version 3.2

<210> 1

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity  
and good knockdown against the human SHIP1 cDNA sequence.

<400> 1  
gcctgttgtc atccattga 19

<210> 2

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity  
and good knockdown against the human SHIP1 cDNA sequence.

<400> 2  
ataagtttgtt gatcttggt 19

<210> 3

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity  
and good knockdown against the human SHIP1 cDNA sequence.

<400> 3  
gccacatctg tactgacaa 19

<210> 4

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity  
and good knockdown against the human SHIP1 cDNA sequence.

<400> 4  
agacaggcat tgcaaacac

19

<210> 5  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 5  
acatcaactca ccgcttcac

19

<210> 6  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 6  
tcttaactac cgtgtggat

19

<210> 7  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 7  
aatacgccta caccaagca

19

<210> 8  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 8  
gtaccagcga catcatgac

19

<210> 9  
<211> 19  
<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 9

gcgacatcat gacgagtga

19

<210> 10

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 10

aggacagatt gagtttctc

19

<210> 11

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 11

ggtgctatgc cacattgaa

19

<210> 12

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 12

gtttggtgag actcttcca

19

<210> 13

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 13

agacggagcg tgatgaatc

19

<210> 14  
 <211> 4870  
 <212> DNA  
 <213> Human

<400> 14	
gtggaggggc ctccgctccc ctcgggtgg tgggtgcct ggggtgcct gccggccag	60
ccgaggaggc ccacgcccac catggtcccc tgctgaaacc atggcaacat caccgcgtcc	120
aaggcggagg agctgctttc caggacaggc aagggcacga gcttcctcgt gcgtgccagc	180
gagtccatct cccgggcata cgcgctctgc gtgctgtatc ggaattgcgt ttacacttac	240
agaattctgc ccaatgaaga tgataaaattc actgttcagg catccgaagg cgtctccatg	300
aggttcttca ccaagctgga ccagctcatc gagtttaca agaaggaaaa catggggctg	360
gtgaccatc tgcaataccct tggccgctg gaggaagagg acacaggcga cgaccctgag	420
gaggacacag tagaaagtgt cgtgtctcca cccgagctgc ccccaagaaaa catcccgctg	480
actgccagct cctgtgaggc caaggaggaa ctttttcaa acgagaatcc ccgagcgacc	540
gagaccagcc ggccgagcct ctccgagaca ttgttccagc gactgcaaag catggacacc	600
agtggcttc cagaagagca tcttaaggcc atccaagatt attaagcac tcagctcgcc	660
caggactctg aatttgcgaa gacagggtcc agcagtcttc ctcacctgaa gaaactgacc	720
acactgctct gcaaggagct ctatggagaa gtcatccgga ccctccatc cctggagtct	780
ctgcagaggt tatttgcgaa gcagctctcc ccgggcctcc gtccacgtcc tcaggttcct	840
ggtgaggcca atcccatcaa catgggtcc aagctcagcc aactgacaag cctgttgtca	900
tccattgaag acaagggtcaa ggccttgctg cacgagggtc ctgagctctcc gcaccggccc	960
tcccttatcc ctccagtcac ctttgagggtg aaggcagagt ctctggggat tcctcagaaaa	1020
atgcagctca aagtcgacgt tgagtctggg aaactgatca ttaagaagtc caaggatgg	1080
tctgaggaca agttctacag ccacaagaaaa atcctgcagc tcattaagtc acagaaattt	1140
ctgaataagt tggtgatctt ggtggaaaca gagaaggaga agatcctgcg gaaggaatat	1200
gttttgctg actccaaaaa gagagaaggc ttctgccagc tcctgcagca gatgaagaac	1260
aagcactcag agcagccgga gcccgcacatg atcaccatct tcacggcac ctggacatg	1320
ggtaacgccc cccctcccaa gaagatcagc tcctggtttc tctccaaggc gcagggaaag	1380
acgcgggacg actctgcgga ctacatcccc catgacattt acgtgatcgg cacccaaagag	1440
gaccgcctga gtgagaagga gtggctggag atcctcaaacc actccctgca agaaatcacc	1500
agtgtgactt taaaacagt cgccatccac acgctctgga acatccgcac cgtggctg	1560

gccaaggcctg	agcacgagaa	ccggatcagc	cacatctgta	ctgacaacgt	gaagacagggc	1620
attgcaaaca	cactggggaa	caaggagcc	gtgggggtgt	cgttcatgtt	caatggAAC	1680
tccttagggt	tcgtcaacag	ccacttgact	tcaggaagtg	aaaagaaaact	caggcgaaac	1740
caaaaactata	tgaacattct	ccgggtcctg	gccctggcg	acaagaagct	gagtccctt	1800
aacatcaactc	accgcttcac	gcaccccttc	tggtttgggg	atcttaacta	ccgtgtggat	1860
ctgcctaccc	gggaggcaga	aaccatcatc	cagaaaatca	agcagcagca	gtacgcagac	1920
ctcctgtccc	acgaccagct	gctcacagag	aggagggagc	agaaggctt	cctacacttc	1980
gaggaggaag	aaatcacgtt	tgccccaacc	taccgtttt	agagactgac	tcgggacaaa	2040
tacgcctaca	ccaagcagaa	agcgacaggg	atgaagtaca	acttgccttc	ctggtgtgac	2100
cgagtccct	ggaagtctta	tcccctggtg	cacgtgggt	gtcagtctta	tggcagtacc	2160
agcgacatca	tgacgagtga	ccacagccct	gtctttgcca	catttgaggc	aggagtca	2220
tcccagttt	tctccaagaa	cggtcccggg	actgttgaca	gccaggaca	gattgagtt	2280
ctcaggtgct	atgccacatt	gaagaccaag	tcccagacca	aattctaccc	ggagttccac	2340
tcgagctgct	tggagagttt	tgtcaagagt	caggaaggag	aaaatgaaga	aggaagttag	2400
ggggagctgg	tggtaagtt	tggtgagact	cttccaaagc	tgaagcccat	tatctctgac	2460
cctgagttacc	tgcttagacca	gcacatcctc	atcagcatca	agtccctgt	cagcgacgaa	2520
tcctatggcg	agggctgcat	tgcccttcgg	ttagaggcca	cagaaacgca	gctgcccattc	2580
tacacgcctc	tcacccacca	tggggagttt	acaggccact	tccaggggg	gatcaagctg	2640
cagacccctc	agggcaagac	gagggagaag	ctctatgact	ttgtgaagac	ggagcgtgat	2700
gaatccagtg	ggccaaagac	cctgaagagc	ctcaccagcc	acgaccccat	gaagcagtgg	2760
gaagtcaacta	gcagggcccc	tccgtgcagt	ggctccagca	tcactgaaat	catcaacccc	2820
aactacatgg	gagtggggcc	ctttgggcca	ccaatgcccc	tgcacgtgaa	gcagacctt	2880
tcccctgacc	agcagccac	agcctggagc	tacgaccagc	cggccaaagg	ctccccgctg	2940
gggcctgca	ggggagaaag	tcctccgaca	cctccggcc	agccgcccatt	atcacccaag	3000
aagttttac	cctcaacagc	aaaccgggt	ctccctccca	ggacacagga	gtcaaggccc	3060
agtgacctgg	ggaagaacgc	aggggacacg	ctgcctcagg	aggacctg	ccgtacgaaag	3120
cccgagatgt	ttgagaaccc	cctgtatgg	tccctgagtt	ccttccataa	gcctgctccc	3180
aggaaggacc	aggaatcccc	caaaaatgccc	cggagggaaac	ccccggccctg	cccgaaaccc	3240
ggcatttgt	cgtccagcat	cgtgctcacc	aaagcccagg	aggctgatcg	cggcgagggg	3300
cccgcaagc	aggtgcccgc	gccccggctg	cgctcattca	cgtgctcattc	ctctgcccag	3360

ggcaggcgg	ccggcgaaaa	caagagccaa	ggaaagccca	agaccccggt	cagctcccg	3420
gccccgggtgc	cggccaagag	gcccatcaag	cttccagat	cggaaatcaa	ccagcagacc	3480
ccgcccaccc	cgacgcccgcg	gccgcccgtg	ccagtcaaga	gcccgccgt	gctgcaccc	3540
cagcactcca	agggcccgcga	ctaccgcac	aacaccgagc	tcccgcata	cggaaggcac	3600
cggccggagg	aggggccacc	agggcctcta	ggcaggactg	ccatgcagtg	aagccctcag	3660
tgagctgcca	ctgagtcggg	agcccagagg	aacggcgtga	agccactgga	ccctctcccg	3720
ggacctcctg	ctggctcctc	ctgcccagct	tcctatgcaa	ggcttgtgt	tttcaggaaa	3780
gggcctagct	tctgtgtggc	ccacagagtt	cactgcctgt	gagacttagc	accaagtgc	3840
gaggctggaa	aaaaaacgca	caccagacgg	gcaacaaaca	gtctgggtcc	ccagctcgct	3900
cttggtactt	gggaccccaag	tgcctcggt	agggcgccat	tctgaagaaa	ggaactgcag	3960
cggcgatttgc	agggtggaga	tatagataat	aataatatta	ataataataa	tggccacatg	4020
gatcgaacac	tcatgatgtg	ccaagtgcgt	tgctaagtgc	tttacgaaca	ttcgtcatat	4080
caggatgacc	tcgagagctg	aggctctagc	cacctaaaac	cacgtgcccc	aaccaccag	4140
ttaaaaacgg	tgtgtgttcg	gaggggtgaa	agcattaaga	agcccagtgc	cctcctggag	4200
tgagacaagg	gctcgccctt	aaggagctga	agagtctggg	tagctgttt	agggtacaag	4260
aaggctgttc	tgtccagctt	cagtgacaca	agctgctta	gctaaagtcc	cgcgggttcc	4320
ggcatggcta	ggctgagagc	agggatctac	ctggcttctc	agttcttgg	ttggaaggag	4380
cagggaaatca	gctcctatttgc	tccagtgag	agatctggcc	tcagcttggg	ctagagatgc	4440
caaggcctgt	gccaggttcc	ctgtgcctc	ctcgagggtgg	gcagccatca	ccagccacag	4500
ttaagccaag	ccccccaaca	tgtattccat	cgtgctggta	gaagagtctt	tgctgttgct	4560
cccgaaagcc	gtgctctcca	tcctggctgc	cagggaggg	gggccttgc	gttccagggt	4620
cttggaaatag	tgcagccttt	tcttcctatc	tctgtggctt	tcaactctgc	ttccttgggtt	4680
atataagagaa	tagatgggtg	atgtcttcc	ttatgttgc	ttttcaacat	agcagaattt	4740
atgttggag	ctaaatccac	tggtgtgtgt	gaatgcagaa	ggaaatgcac	cccaccccttcc	4800
catgaatgaa	gtctgcgtac	caataaatttgc	tgcccttctcc	tccaaaaaaa	aaaaaaaaaa	4860
ataaaaaaaaa						4870